

TO: Service Departments

FROM: Walter E. Kaelin, V.P. Engineering

DATE: February 9, 1978

SUBJECT: Mariner 70, Field Adjustments

Enclosed is the servicing information for the Mariner 70. For your convenience, we show test points and adjustment locations. Also shown are the microphone, PTT and audio output to permit the hook-up of the H177 handset.

CORPORATION

OAKLAND, CALIF. REC'D. ON ABOVE DATE



ill intech mariner 70

SYNTHESIZED VHF/FM MARINE RADIOTELEPHONE

FEATURES

- Digital synthesized Phase Lock Loop circuitry provides full coverage on all U.S.A. and International maritime channels. No need to ever add or change a crystal when cruising into new areas.
- Selected channels indicated by easy to read, BRIGHT LED digital display.
- Full 25 watt output power with protective circuitry to prevent damage when operating into faulty antenna systems.
- · Quick push button access to Coast Guard monitored distress channel 16.
- Equipped to receive all 4 U.S. and Canadian weather channels.
- Front panel LED transmit light indicates RF power to antenna when transmitting.
- Receiver selectivity provides clear reception even in congested areas.
- Built-in connector for optional remote speaker.
- Versatile mounting bracket allows easy removal and storage.
- · Designed and built with industrial grade materials to withstand the tough marine environment.
- Type accepted FCC Part 83.
- Meets or exceeds Canadian RSS182 specifications.
- You can't buy a better radiotelephone to save your life! Ask your independent Intech Marine Dealer for more details.



GENERAL

Frequency Range.					
Channel Spacing .					
Power Supply					
			gative		
Operating Temperat					
RF Impedance					
Shock, Vibration .					
Size					
			x 265		
Weight			6 lbs	(2.6k)	g)

TRANSMITTER

Power Output						25/1W
Frequency Stability						10ppm
Deviation						±5KHz
Spurious & Harmonics.						>70dB
				be	lov	w carrier
Current Drain @ 25 wat	ts					. <6A
Duty Cycle					cor	ntinuous
Number of Channels .		۰				55

RECEIVER

Sensitivity $< 0.3 \mu V$ for 12dB SINAD
<0.5μV for 20dB quieting
Squelch Threshold $< 0.3 \mu V$
Adjacent Channel Rejection >70dB
Spurious Rejection >70dB
Audio Power 4 Watts @ 10% distortion
Current Drain Receive Standby < 0.5A
Number of Channels 76



2

3

4

2

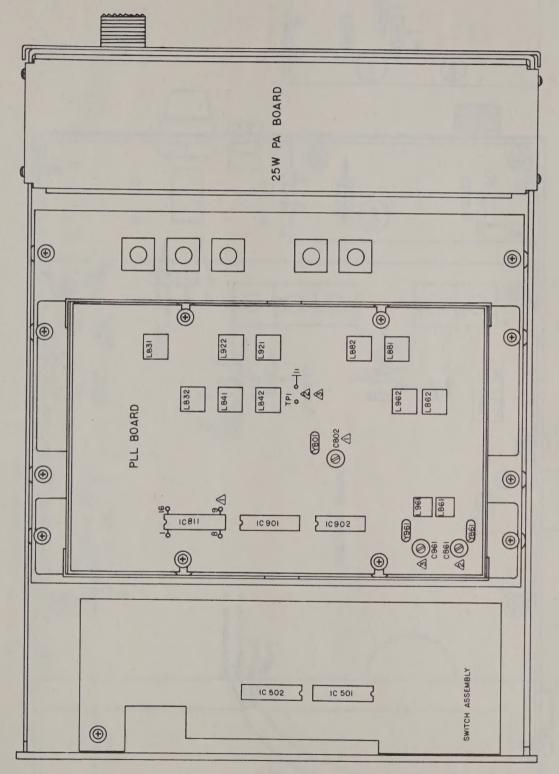
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MARINER 70 TOP VIEW REX A 1-24-78

